Tires

D For service conversions, the tire/disc wheel specifications and dimensions should be compared with the entries in the registration papers.

D When mounting tires, the tires and rims must be carefully matched in order to guarantee the concentricity of the wheel.

Identification of matching points on:
- Tires with a colored dot on the outside of the tire,
- Sheet steel disk wheel by a colored dot or punch mark on the outside of the wheel,
- Perform this operation at the valve stem hole on light-alloy disk wheels

i With an additional paint spot or punch mark in the rim base for the 140 Model Series.

D Always replace the rubber valve.

D Damaged and defective tires must always be replaced. The repair methods employed in the tire trade are not approved by Mercedes-Benz. Small nicks (<0.8mm) on the tire's sidewall do not usually pose a cause for concern, and continued use of such tires is approved

D When replacing just one tire, install it on the front of the vehicle. This does not apply to vehicles with different tires of varying specifications on the front and rear wheels.

D Only use tires listed in the valid Service Information bulletins and repair instructions.

D If the permissible maximum speed of an M+S tire is below the maximum speed of the vehicle, an appropriate adhesive plate must be attached in the driver's field of view.

D Tires permissible for higher speeds may be used.

D Always fit all rims with tires of the same design, make and version.

D Run in new tires for approx. 100 km at moderate speed.

D Handed tires must be installed according to the arrow on the side wall of the tire.

D Tires are subject to an aging process with negative effects on the properties of the tire. In order to ensure optimum effectiveness in winter, M+S tires should not be used for longer than 3 years.

Tire pressure

(For specified values see tire pressure table in the fuel filler flap, on the Vaneo BM 414 see B-pillar on the passenger side).
Too low tire pressure increases the rolling resistance and increases the flexing energy of the tire. This causes the critical temperature limit to be exceeded (carcass detachment) and destroys the tire. Respond to loss of tire pressure by determining the source and replacing the tire as indicated.

Cleaning

Using a spray wand with high-pressure nozzles to clean the wheel can lead to tire damage. Such damage occurs especially on the tire side walls. The following should be observed when using flat jet nozzles:

D Maintain a minimum distance of 300 mm

D Do not direct the water jet at a single point on the surface of the tire for any length of time.

Mounting in bearings

Before putting into storage, clean tires thoroughly and check for damage and adequate tread depth. Mark the position and running direction of the tires with chalk. Do not store tires outdoors. Under the influence of sunlight, heat, moving air and ozone the rubber looses elasticity and strength, ages more quickly and becomes cracked. Storage areas should be dry, cool and dark. Avoid drafts by keeping doors and windows closed as much as possible. Do not bring tires into contact with gasoline, oil or other greases as they dissolve the rubber.

Disposal

Collection, storage and disposal should be performed in accordance with the legal requirements and the company's own regulations.

Rims

- D When changing wheels, for instance, when replacing steel wheels with light-alloy rims, ensure that the wheel bolts required for the spare wheel are stored in a clearly visible location.
- D Since December 1994 models 202 and 124 with special equipment light alloy disk wheels, are supplied with a sheet steel spare wheel instead of a light alloy spare wheel. The necessary wheel bolts are included with the steel spare wheel.
- D Only use approved Mercedes-Benz rims of the same version.
- D Reinforced steel rims are identified by a sticker on the wheel disc.
- D The wheel bolts on steel and light-alloy rims should always be tightened to the specified tightening torque using a torque wrench.
  It is not necessary to retorque the lug bolts after approximately 100 to 500 km.
- D The seat for the tire bead must display no corrosion marks.
- D Before inserting a new rubber valve, clean the contact surfaces on the disk wheel.
  On sheet steel-disk wheel wheel trims must be fitted to support the rubber valve.

Damaged or deformed rims must not be repaired.

Tire pressure monitor

- D Before replacing a tire, check the date of manufacturer of the wheel sensor: wheel sensors which are more than 5 years old must be replaced.
- D Use STAR DIAGNOSIS to read out the actual values of the tire pressure monitor. Check the remaining life of the wheel sensor battery, replace the wheel sensor if necessary.